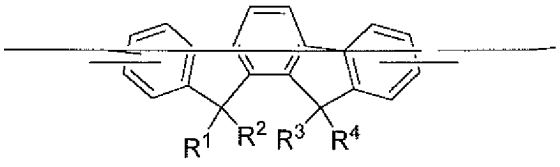
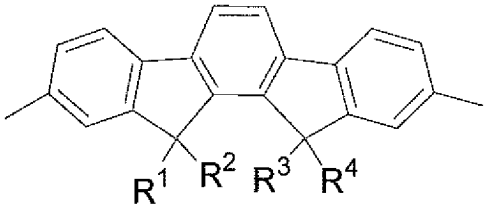
AMENDMENT TO CLAIMS

1. (Currently Amended) An oligomer or polymer comprising an optionally substituted first repeat unit of formula (Ir):



~~(Ir)~~



(Ir)

wherein R^1, R^2, R^3 and R^4, which may be the same or different, are independently selected from hydrogen or a substituent and two or more of R^1, R^2, R^3 and R^4 may be linked to form a ring and the oligomer or polymer comprises a second repeat unit.

2. (Previously presented) An oligomer or polymer according to claim 1 wherein each R^1, R^2, R^3 and R^4 is independently selected from the group consisting of optionally substituted alkyl, alkoxy, aryl, or heteroaryl.

3. (Previously presented) An oligomer or polymer according to claim 1, wherein at least one of R^1, R^2, R^3 and R^4 is optionally substituted phenyl or optionally substituted C_{1-20} alkyl.

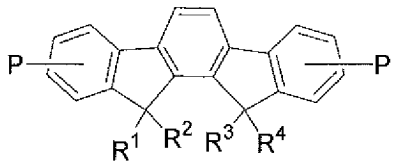
4. (Withdrawn) An oligomer or polymer according to claim 3 wherein at least one R^1, R^2, R^3 and R^4 is different from at least one other of R^1, R^2, R^3 and R^4.

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) An oligomer or polymer according to ~~claim 6~~ claim 1, wherein the second repeat unit is selected from optionally substituted aryl, heteroaryl and triarylamine repeat units.

8. (Previously presented) An optionally substituted monomer of formula (Im):



(Im)

wherein R^1, R^2, R^3 and R^4, which may be the same or different, are independently selected from hydrogen or a substituent and two or more of R^1, R^2, R^3 and R^4 may be linked to form a ring; and each P represents a polymerisable group.

9. (Previously presented) A monomer according to claim 8 wherein each P represents a leaving group capable of participating in a polycondensation mediated by a metal of variable oxidation state.

10. (Previously presented) A monomer according to claim 9 wherein each P is independently selected from halogen; a moiety of formula $-O-SO_2-Z$ wherein Z is selected from the group consisting of optionally substituted alkyl and aryl; or a reactive boron group selected from a boronic acid, a boronic ester or a borane.

11. (Previously presented) A process for preparing an oligomer or polymer comprising the step of oligomerising or polymerising a monomer according to claim 8.

12. (Previously presented) A process for preparing an oligomer or polymer according to claim 11 wherein each P is independently a halogen or a moiety of formula $-O-SO_2-Z$, and the monomer of formula (Im) is oligomerised or polymerised in the presence of a nickel complex catalyst.

13. (Previously presented) A process for preparing a polymer according to claim 11 wherein the monomer of formula (Im) is oligomerised or polymerised with a second aromatic monomer in the presence of a palladium complex catalyst and a base and

a. each P is the same or different and comprises a reactive boronic group and the second monomer comprises two reactive groups independently selected from halogen and a moiety of formula $-O-SO_2-Z$, or

b. each P independently comprises a halogen or a moiety of formula $-O-SO_2-Z$ and the second monomer comprises two reactive boron groups which are the same or different.

14. (Previously presented) A process for preparing an oligomer or polymer according to claim 11, wherein one P is a reactive boron group and the other P is a halogen or a moiety of formula $-O-SO_2-Z$.

15. (Withdrawn) An optical device comprising an oligomer or polymer according to claim 1.

16. (Withdrawn) An optical device according to claim 15 wherein the oligomer or polymer is located between a first electrode for injection of charge carriers of a first type and a second electrode for injection of charge carriers of a second type.

17. (Withdrawn) A switching device comprising an oligomer or polymer according to claim 1.

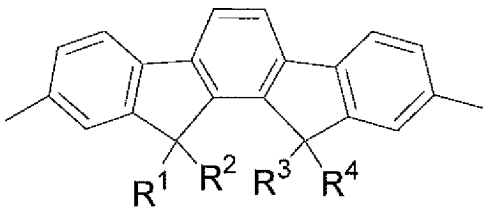
18. (Withdrawn) A field effect transistor comprising an insulator having a first side and a second side; a gate electrode located on the first side of the insulator; an oligomer or polymer

according to claim 1 located on the second side of the insulator; and a drain electrode and a source electrode located on the oligomer or polymer.

19. (Withdrawn) An integrated circuit comprising a field effect transistor according to claim 18.

20-25. (Cancelled)

26. (New) A polymer comprising an optionally substituted first repeat unit of formula (Ir):



(Ir)

wherein R^1, R^2, R^3 and R^4, which may be the same or different, are independently selected from hydrogen or a substituent and two or more of R^1, R^2, R^3 and R^4 may be linked to form a ring and the oligomer or polymer comprises a second repeat unit.